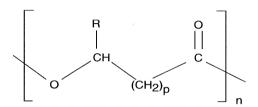
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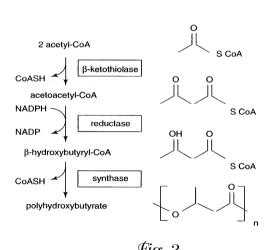
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$$\begin{array}{ccc} \mathsf{PHA} & \mathsf{SCL} & \begin{cases} \mathsf{R} = -\mathsf{CH}_3 & & \Longrightarrow & \mathsf{P(3HB)} \\ \mathsf{R} = -\mathsf{CH}_2\mathsf{CH}_3 & & \Longrightarrow & \mathsf{P(3HV)} \end{cases}$$

$$\begin{array}{lll} \mathsf{PHA} & \mathsf{MCL} & \begin{cases} \mathsf{R} \texttt{=} - (\mathsf{CH}_2)_2 \mathsf{CH}_3 & \Longrightarrow \; \mathsf{P(3HH)} \\ \mathsf{R} \texttt{=} - (\mathsf{CH}_2)_4 \mathsf{CH}_3 & \Longrightarrow \; \mathsf{P(3HO)} \end{cases}$$

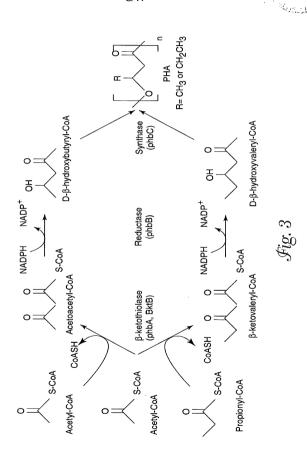
Fig. 1



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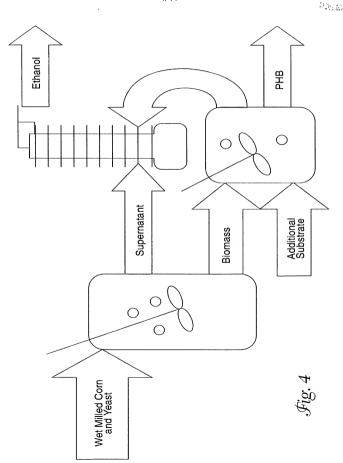


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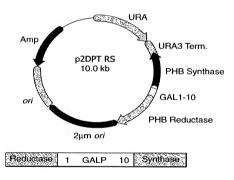


Fig. 5

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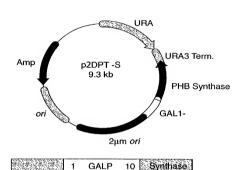


Fig. 6

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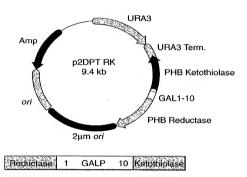


Fig. 7

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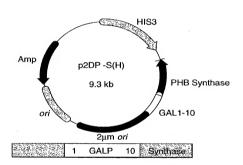
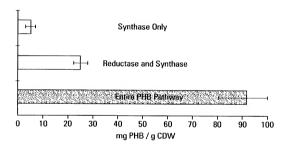


Fig. 8

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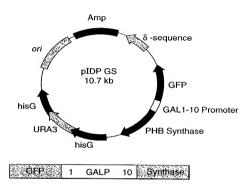


Fig. 10

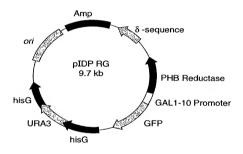


Fig. 11

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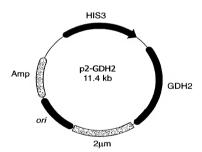
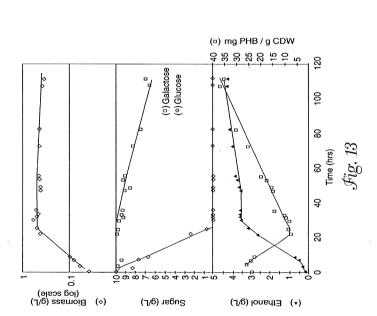


Fig. 12

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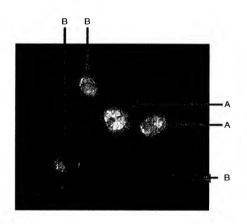


Fig. 14

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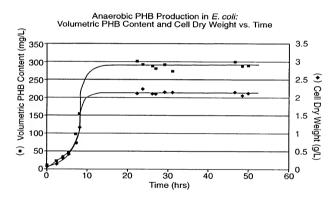


Fig. 15

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Amp		Approxim Size	8.6kb	9.0kb	8.0kb	6.2kb	6.2kb	6.6kb	6.6kb	6.8kb
	3	D.Termination E. Yeast Selection Approximate Sequence Marker Size	URA3	HIS3	HIS3	URA3	URA3	TRP1	TRP1	LEU2
		D. Termination Sequence	URA3	None	None	URA3	URA3	URA3	URA3	URA3
	0	C. Gene	TEF1/GAL1 Ketothiolase	Synthase	Reductase	Ketothiolase	Ketothiolase	Synthase	Synthase	Reductase
	8.	B. Promoter	TEF1/GAL1	TEF1/GAL1	TEF1/GAL1	TEF1	TEF2	TEF	TEF2	TEF
		A.Origin of Replication	2µm	2µm	2µm	None-integrative	None-integrative	None-integrative	None-integrative	None-integrative
		Plasmid Name:	p2TG1T -K(U)	p2TG1 -S(H)	p2TG1 -R(H)	pIT1T K(U)	pIT2T K(U)	plT1T S(T)	pIT2T S(T)	pIT1T R(Le)

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## Constitutive Promoter Plasmid System

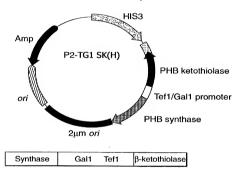


Fig. 17